# ACCESSION NR: AP4037291

in which P, O, and Al were consecutively bound; this was confirmed by the fact that phenetol, and not diphenyl or diethyl ether, was formed in the reaction between aluminum ethylate and diphenyl methylphosphonate. Polymer fusibility, glass transition temperature Tg, and solubility in organic solvents decreased with the increase in the degree of condensation. Thus, for poly(ethoxyaluminomethylphosphonate) in the initial degree of condensation, Tg was 130—150C; it is to be noted that Tg for poly(butoxyaluminomethylphosphonate) at a similar degree of condensation was 60—80C because of the steric hindrance of butoxy groups, which prevent close packing of polymeric chains. Orig. art. has: 1 figure and 7

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Organoelemental Compounds, AN SSSR)

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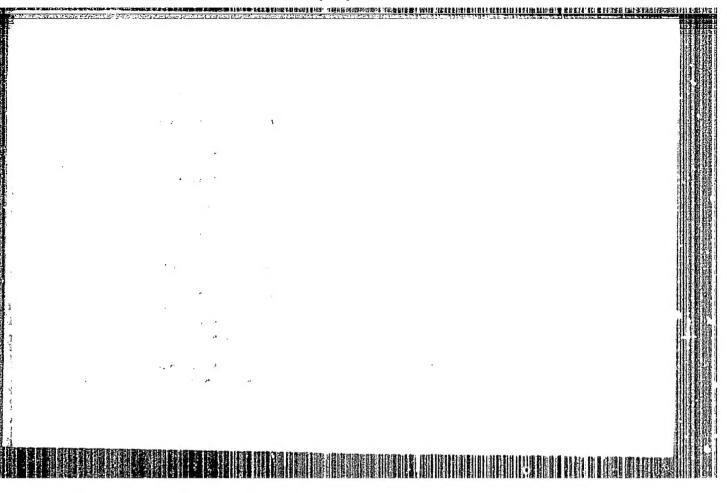
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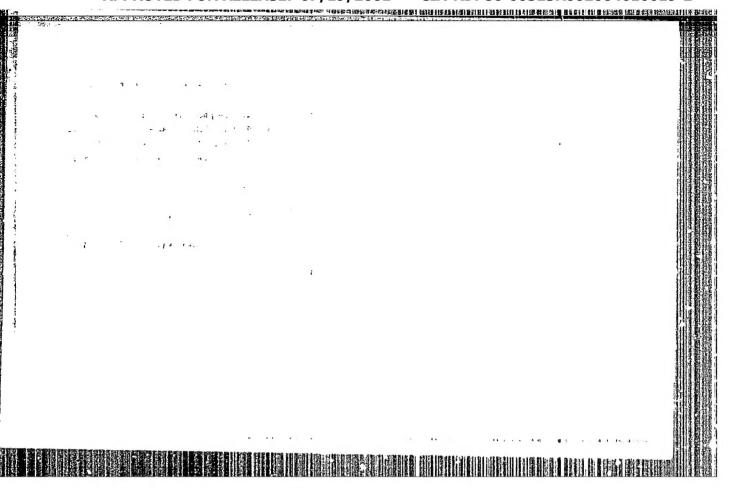
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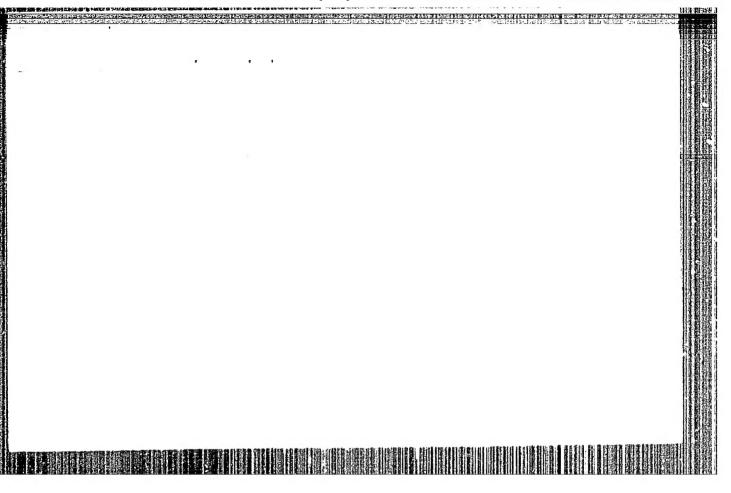
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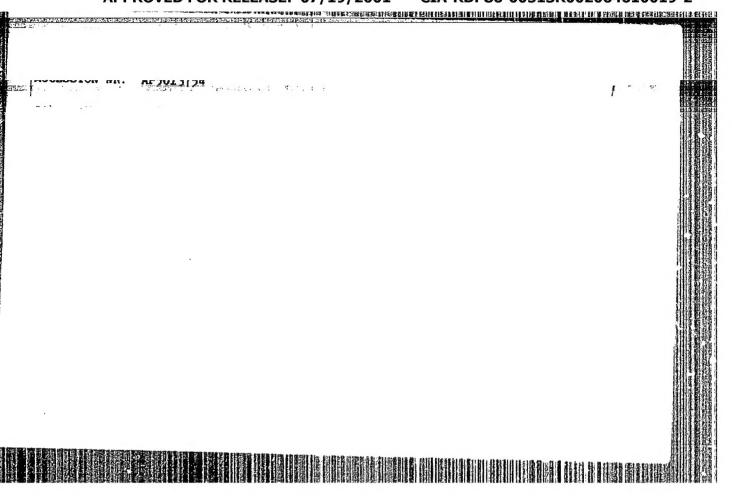
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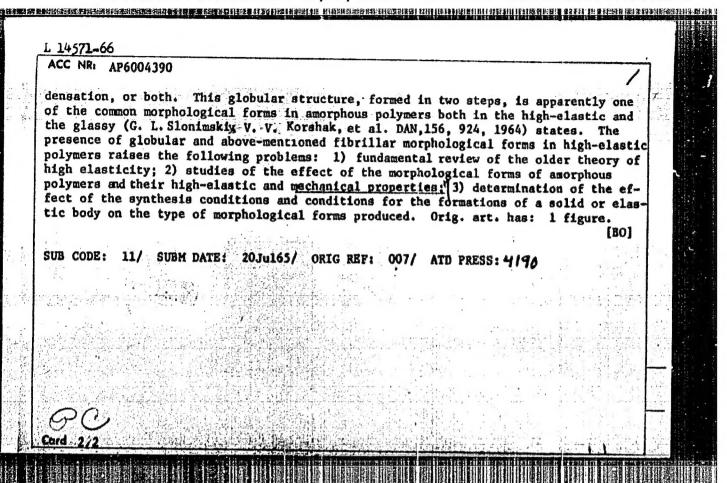






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L 14571-66 EWT(m)/EWP(j)/T WW/RM ACC NR: AP6004390 SOURCE CODE: UR/0020/66/166/003/0593/0594 > AUTHOR: Andrianov, K. A. (Academician); Slonimskiy, G. L.; Kitaygorodskiy Zhdanov, A. A.; Belavtseva, Ye. H.; Levin, V. Yu. ORG: Institute of Heteroorganic Compounds. Academy of Sciences SSSR (Institut elemento organicheskikh soyedineniy Akademii nauk SSSR) TITLE: Morphological forms of high-elastic polymers SOURCE: AN SSSR. Doklady v. 166, no. 3, 1966, 593-594 TOPIC TAGS: morphological form, high elastic polymer, silicone, polysiloxane ABSTRACT: Recent studies of morphological forms in high-elastic polymers have disproved the older theory of high elasticity which is based on the idea of random entangled macromolecules. V. A. Kargin and associates (DAN, 144, 1089, 1962) have observed fibrillar structures in these polymers. In this study the morphological forms of high-elastic polymers have been studied with polyaluminodinethylatloxanes (I) synthesized by polycondensation of aluminum butoxideqwith a, w-dihydroxypolydimethylsiloxane. The morphological forms of I were investigated by electron microscopy. I was shown to have a globular structure with globular formations varying in size from 50-100 to over 1000%. The small globules were, possibly, macromolecules. The large globular formations consisted of small globules which were either aggregated as a result of molecular interaction, or linked by chemical bonds formed in polycon-Card 1/2 UDC: 541.68



ANDRIANOV, K.A., akademik; SLONIMSKIY, G.L.; KITAYGORODEKIY, A.I.; ZHDANOV, A.A.; BELAVTSEVA, Ye.M.; LEVIN, V.Yu.

Supermolecular structures of highly elastic polymers. Dokl.
AN SSSR 166 no.3:593-594 Ja '66.

(MIRA 19:1)

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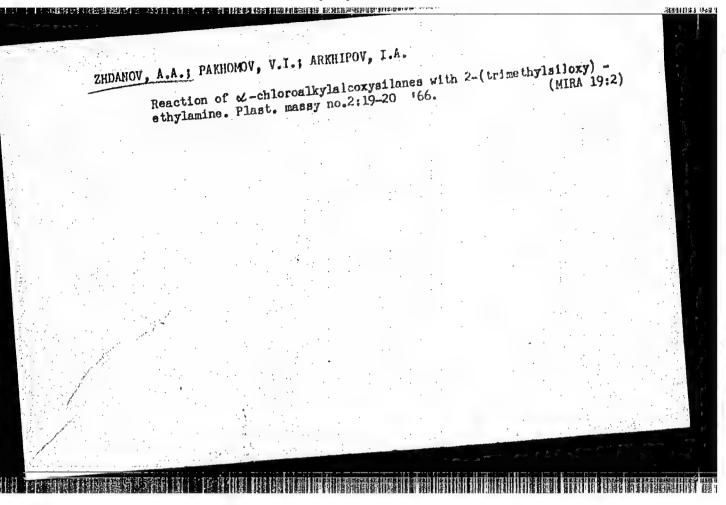
7	ACC NR: AP6015054 (A) SOURCE CODE: UR/0190/66/008/005/0898/0902	
	AUTHOR: Andrianov, K. A.; Slonimskiy, G. L.; Zhdanov, A. A.; Kashutina, E. A.; Evin, V. Yu.	
	ORG: Institute of Organoelemental Compounds, AN SSSR (Institut elementoorganicheskikh soyedineniy AN SSSR)	
	TITLE: Thermomechanical investigation of polyorganometallic siloxanes containing	
	SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 5, 1966, 898-902	
	TOPIC TAGS: polymer, metal, siloxane, atom, thermomechanical property, bivalent metal	
	ABSTRACT: Thermomechanical properties of polymers with atoms of bivalent metals in the siloxane chain have been investigated. It was shown that the introduction into the basic polymer chain of metal atoms capable of forming coordination bonds considerably changed the thermomechanical properties of polymers. The effect of metal atoms on the flow temperature of polymers depends on the distance between the metal atoms and on the nature of the metal. Orig. art. has: 5 figures, 1 formula, and	
	SUB CODE: 11, 07/ SUBM DATE: 22May65/ ORIG REF: 009/ OTH REF: 001	
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AUTHOR: Zhdanov, A. A.; Shilki			45	3
ORG: Novosibirsk Metallurgical	Plant (Novosibir	skiy metallurgic	heskly zavod)	
TITLE: Effect of the slab heat	ing mode on the qu	uality of plates		
SOURCE: Metallurg, no. 3, 1966	, 32-93			
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L 37010-66 EWP(1)/EWT(m)/T IJP(c) RM/WW/JWD  ACC NR: AP6023434 SOURCE CODE: UR/0190/66/008/007/1312/1313  ADTHOR: Slonimskiy. G. L.; Andrianov. K. A.; Zhdanov. A. A.; Levin.  V. Yu.; Belavissya. Ye. M.  ORG: none  TITLE: Supramolecular structures of cross-linked high elastic polymers  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  TOPIC TAGS: elastic polymer, morphological form, supramolecular form, globular structure, siloxane, alumosiloxane, polygaluminodimethylsi-  globular structure, rubber, elasticity polymer cross linking, polymer loxane, network structure, rubber, elasticity structure, polycondengation, solubility, elasticity structure, polycondengation, solubility, elasticity structure, polycondengation, solubility, elasticity structure, polycondengation, solubility, elasticity structure, rubber was completed by means of electron microscopic ABSTRACT: A study of the structure of cross-linked polyaluminodimethylsiloxane rubber) was completed by means of electron microscopic methylsiloxane rubber was had the following chemical structure:  photographs of platinum-carbon replica. Asumy-100 electron microscopic photographs of platinum-carbon replica as the following chemical structure:  photographs of platinum-carbon replica as the following chemical structure:  photographs of platinum-carbon replica as the following chemical structure:  photographs of platinum-carbon replica as the following chemical structure:
ACC NR: AP6023434  ANDTHOR: Slonimskiy, G. L. Andrianov, K. A.; Zhdanov, A. A.; Levy, Yu.; Belavtseya. Ye. M.  ORG: none  TITLE: Supramolecular structures of cross-linked high elastic polymers  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  TOPIC TAGS: elastic polymer, morphological form, supramolecular form, polymer globular structure, siloxane, alumosiloxane, polyaluminodimethylsi-  10xane, network structure, rubber, polymer cross linking, polymer structure, polycondensation, solubility, elasticity  10xane, network structure of cross-linked polyaluminodi-  structure, polycondensation, solubility, elasticity  ABSTRACT: A study Vof the structure of cross-linked polyaluminodi-  methylsiloxane rubber) was completed by means of electron microscope  methylsiloxane rubber) was completed by means of electron microscope  photographs of platinum-carbon replics. A SUMV-100 electron microscope  The rubber used had the following chemical structure:  yas usedAl-[SI(CHahOlm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaholm-Al-O-[SI(CHaho
ACTHOR: Slonimskiy, G. L.; Andrianov, K. A.; Zhdanov, A. A.; Levy Yu,; Belaytseya, Ye, M.  ORG: none  TITLE: Supramolecular structures of cross-linked high elastic polymers  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  TOPIC TAGS: elastic polymer, morphological form, supramolecular form, polymer globular structure, siloxane, alumosiloxane, polyaluminodimethylsi-  TOPIC TAGS: elastic polymer, morphological form, soluminodimethylsi- globular structure, siloxane, alumosiloxane, polyaluminodimethylsi- loxane, network structure, rubber, loxane, polyaluminodi- structure, polycondengation, solubility, elasticity loxane, network structure of cross-linked polyaluminodi- ABSTRACT: A study Vof the structure of cross-linked polyaluminodi- methylsiloxane rubber was completed by means of electron microscope methylsiloxane rubber was completed by means of electron microscope photographs of platinum-carbon replica. AUMNV-100 electron microscope  The rubber used had the following chemical structure:  "ABSTRACT: A study Vof the structure of platinum-carbon replica structure: "The rubber used had the following chemical st
ACC NR: AP6023434  ACC NR: AP6023434  ADTHOR: Slonimskiy, G. L. I Andrianov, K. A.; Zhdanov, A. A.; Levyy, Bolaytseya, Ye, M.  ORG: none  ORG: none  TITLE: Supramolecular structures of cross-linked high elastic polymers  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  TOPIC TAGS: elastic polymer, morphological form, supramolecular form, golymer cross linking, polymer globular structure, siloxane, alumosiloxane, polyaluminodimethylsi-loxane, network structure, rubber, loxane, network structure, solubility, elasticity  loxane, network structure, solubility, elasticity  ABSTRACT: A study of the structure of cross-linked polyaluminodi-  methylsiloxane rubber was completed by means of electron microscope  methylsiloxane rubber was completed by means of electron microscope  photographs of platinum-carbon replica. A sumv-100 electron microscope  The rubber used had the following chemical structure:  - Al-[SI(CH <sub>3</sub> )Ol <sub>3</sub> ].  - Al-[SI(CH <sub>3</sub> )Ol <sub>3</sub> ].
ACC NR AP6023434  ACC NR AP6023434  AUTHOR: Slonimskiy, G. L. I Andrianov, K. A.; Zhdanov, A. A.; Levyy, Yu,; Belaytseya, Ye, M.  ORG: none  TITLE: Supramolecular structures of cross-linked high elastic polymers  BOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  TOPIC TAGS: elastic polymer, morphological form, supramolecular form, globular structure, siloxane, alumosiloxane, polyaluminodimethylsiloxane, network structure, rubber, loxane, network structure, rubber, structure, polycondengation, solubility, elasticity  ABSTRACT: A study of the structure of cross-linked polyaluminodimethylsiloxane rubber was completed by means of electron microscopic methylsiloxane rubber was completed by means of electron microscope  The rubber used had the following chemical structure:  -Al-[SI(CHa),0]m, Al-O-[SI(CHa),0]m, Al-O-[SI(C
ACC NR:  ANTHOR: Slonimskiy, G. L. Andrianov, R. A.,  V. Yu.; Belaytseya, Ye, M.  ORG: none  ORG: none  TITLE: Supramolecular structures of cross-linked high elastic polymers  SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1312-1313  TOPIC TAGS: elastic polymer, morphological form, supramolecular form,  TOPIC TAGS: elastic polymer, alumosiloxane, polyaluminodimethylsi-  globular structure, siloxane, alumosiloxane, polymer cross linking, polymer  loxane, network structure, rubber, elasticity  loxane, network structure of cross-linked polyaluminodi-  structure, polycondensation, solubility, elasticity  structure, polycondensation, solubility, elasticity  abstract: A study of the structure of cross-linked polyaluminodi-  methylsiloxane rubber) was completed by means of electron microscopic  methylsiloxane rubber) was completed by means of electron microscope  methylsiloxane rubber was completed by means of electron microscope  methylsiloxane rubber was completed by means of electron microscope  methylsiloxane rubber was completed by means of electron microscope  methylsiloxane rubber was completed by means of electron microscope  methylsiloxane rubber was dad the following chemical structure:  photographs of platinum-carbon replica. A MUNY-100 electron microscope  as used. The rubber was dad the following chemical structure:
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ZHDANOV, A.A.; ANDRIANOV, K.A., akademik; ODINETS, V.A.; KARPOVA, I.V.

Synthesis and polymerization of cyclotetrasiloxanes containing heterocyclic radicals with a silicon atom. Dokl. AN SSSR 162 no.21335-338 ky '65. (MIRA 18:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR.

ZHDANOV, A.A.; VOLEGOV, V.P.; SHILKIN, Yu.V.

The fusing together of cold rolled strips during annealing.

Metallurg 10 no.8:27-28 Ag '64.

1. Novosibirskiy metallurgicheskiy zavod i Ural'skiy nauchnoisəledovatel'skiy institut chernykh metallov.

ANDRIANOV, K.A.; ZHDANOV, A.A.; KASHUTINA, E.A.

Synthesis and study of the properties of polydimethylsiloxanes containing carboxyl groups in organic end radicals. Zhur. ob. (MIRA 18:6)

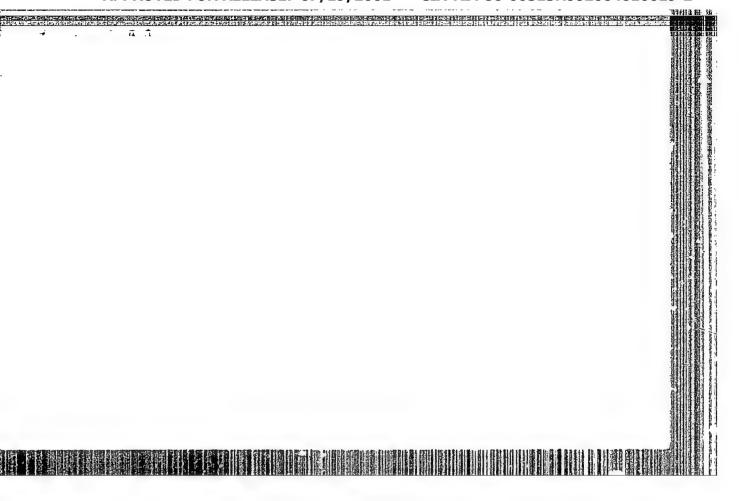
ZHDANOV, A.A., kandidat tekhalicheskikh nauk, dotsent.

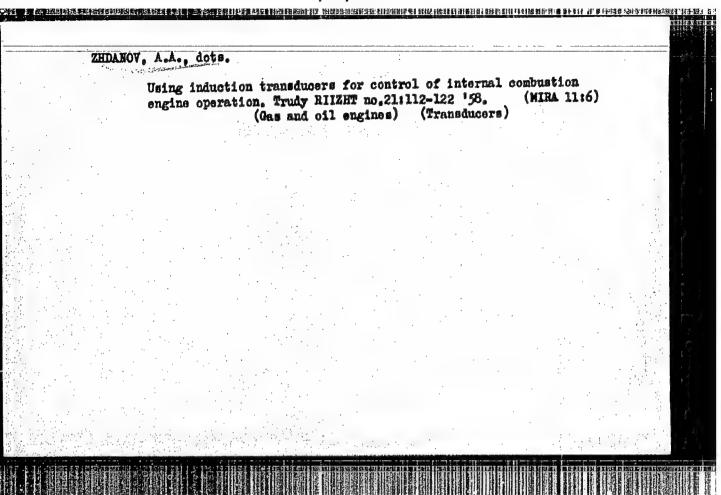
Setting up and preparing piston-type combustion chambers of gas turbines for testing. Trudy HIIZHT no.17:227-231 '53. (Gas turbines) (MIRA 9:6)

ZHDANOV, A. A.

ZHDANOV, A. A.: "The piston combustion chamber of a turbine using generator gas from anthracite". Moscow, 1955. Acad Sci USSR. Power Engineering Instiment G. M. Krzhishanovskiy. (Dissertations for the degree of Doctor of Technical Sciences.)

SO: Knizhnaya Letopis! No. 50 10 December 1955. Moscow.





ZHDANOV, A.A., kand. tekhn. nauk, dotsent; MISHKOVICH, I.M., kand. tekhn. nauk

Methods for testing 2D100 diesel locomotive engines by means of inductive pressure converters and the elements of their design. Trudy RIIZHT no.34:14-50 '61.

Processes taking place in the cylinders of a 2D100 engine during the start. Ibid.:71-94

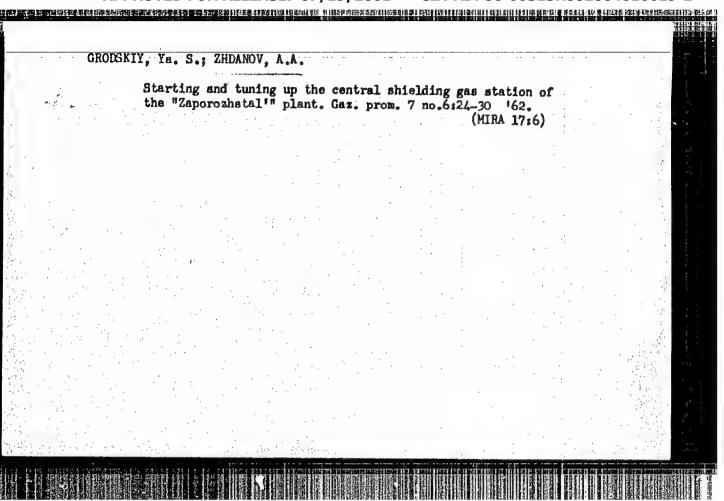
Performance of 2D100 engines with one- and two-way fuel feed. Ibid.:95-108

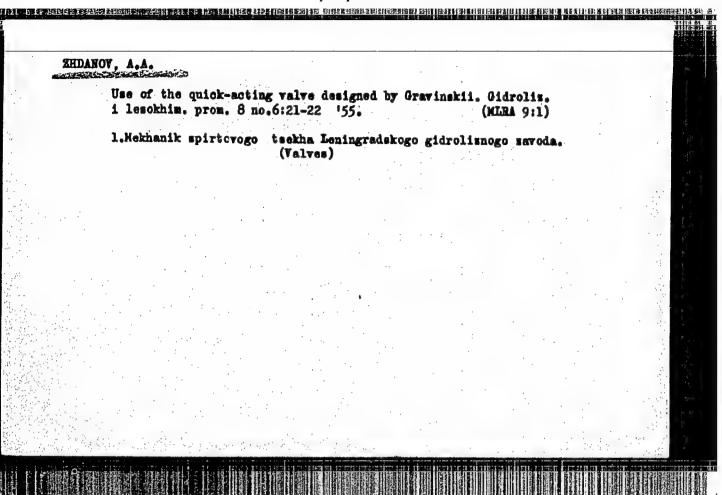
Determining fuel consumption for train operation in case of the use of diesel traction. Ibid.:109-133 (MIRA 17:1)

VOLAROVICH, M.P.; BAYUK, Ye.I.; ZHDANOV, A.A.; TOMASHEVSKAYA, I.S.

Study of the elastic properties of rooks of the Kgla Peninsula under hydrostatic pressure up to 7000 kg./cm². Inv.
AN SSSR. Ser. geofiz. no.821178-1184 Ag '64 (MIRA 1728)

1. Institut fiziki Zemli AN SSSR.



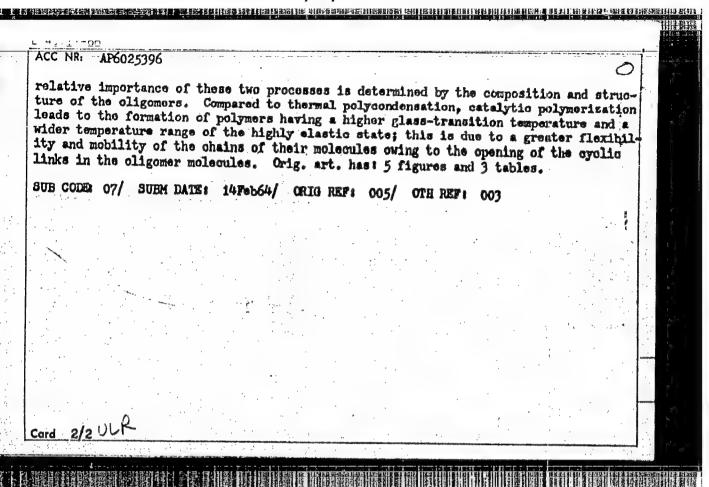


L 9692-66 EMI (m)/F P(v)/E P(i)/T/ETC(m) MA/RM SOURCE CODE UR 100 CONTROL OF THE SOURCE CODE UR 100	v. ; Guttsayt,	
ABSTRACT: An Author Certificate has been issued for a preparative method reinforced plastics based on organosilicon binders. To lower the curing a mixture of low-molecular-weight liquid polyorganosiloxanes containing and polyorganosiloxanes with vinyl substituents on the Si atom are used	s temperature, Si-H groups	
SUB CODE: 11/ SUBM DATE: 29Dec64/ ATD PRESS: 4/57  Card 1/1  UDC: 678.84		

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some vinyl sub- containing equ in the presence given in tabula transparent ma	igomers were stained some hy stituents, in imolar amounts of chloropla ar and graphic terials infusi	the other. From the of vinyl and hydrinic acid at 1500 form in the sourble at 2000. Original	ts as silicon these oligomer rogen groups. C. The experi ce. The cured g. art. has:	o various other sub- atoms in one case, and s samples were prepared The samples were cured mental results are polymers were solid 4 figures and 4 tables [SM]	
SUB CODE: 07,	11/ SUBM DAT	E: none/ ORIG R	3F: 001/ OTH	REF: 004/ ATD PRESS:	¥177
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SOURCE CODE: UR/0062/66/000/007/1145/1154 AUTHOR: Petrashko, A. I.; Yelinek, V. I.; Amirianov, K. A.; Zhdanov, A. A.; Gashnikova, N. N.; Golubkov, G. Ye.; Litvinova, L. Y. ORG: All-Union Electrical Engineering Institute im. V. I. Lenin (Vsecoyutnyy elektrotekhnicheskiy institut); Institute of Organometallic Compounds, Academy of Sciences, SSSR\_(Institut elementoorganicheskikh soyedineniy Akademii nauk SSSR) TITIE: Study of the conversions of polyorganosiloxanes in the course of thermal polycondensation and catalytic polymerization SOURCE: AN SSSR. Izv. Ser khim, no. 7, 1966, 1145-1154 TOPIC TAGS: catalytic polymerization, polycondensation, siloxane ABSTRACT: Changes in certain proporties of polyorganosiloxanes were followed during their synthesis from organosiloxane oligomers of various compositions. IR spectroscopic analysis confirmed the structural differences in the oligomers obtained by double decomposition and hydrolytic polycondensation. In the process of thermal and catalytic conversions, these differences disappear, and the polymers have a similar structure independently of the method by which the original oligomers were prepared. It is postulated that thermal polycondensation involves the formation of oxygen bridges between the molecular chains as a result of condensation of hydroxyl groups, and hydrocarbon bridges as a result of exidation of methyl groups of neighboring molecular chains; the Card 1/2 UDC: 546,287+542,97+542,952+543,422



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ACC NR. AP6023430 SOURCE CODE: IIP/0100/66/009/002/1205/1000
500/100 000051 0/1/01/00/000/00//1226/1230
AUTHOR: Verkhotin, M. A.; Andrianov, K. A.; Zhdanov, A. A.; Kurasheva, N. A.; Rafikov, S. R.; Rode, V. V.
ORG: Institute of Hetero-organic Compounds, AN SSSR (Institut elementeorganicheskikh soyedineniy AN SSSR)
TITIE: Thermal degradation of certain polymetallodimethylsiloxanes
SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 7, 1966, 1226-1230
TOPIC TAGS: polysiloxane, titanium compound, polymer degradation, organoculuminum compound, depolyment zotion, elastomer  ABSTRACT: The thermal degradation of polyaluminodimethylsiloxane (PAS) and poly-
titanodimethylsiloxane (PTS) (see Fig. 1) was studied in a vacuum at various temperatures. The predominant process in the thermal aging of the polymers was found to be depolymerization involving rupture of the Si-O bond and formation of hexamethylcyclotrisiloxane. The depolymerization begins after the gel formation maximum has been
and the titanium atom considerably decreases the depolymerization rate as compared to
In addition to the depolymerization, a homolytic musture of St. C. and C. H.
the liberation of hydrogen, methane, and ethane takes place during the thermal degra-
Card 1/2 UDC: 678.01:54+678.84
Card 2/2 MLP

ZHDAHOT, Andrey Andreyevich; LEVSHIN, Lev Vssil'yevich; KAZAKOVA, L.A.,

"Protection of forest and water resources in the U.S.S.R.]

Ckhrane lesnykh i vodnykh bogatstv v SSSR. Moskva, Gos.izd-vo
iurid.lit-ry, 1958. 49 p.

(WIRA 12:2)

(Forests and forestry) (Hunting) (Fisheries)

ZHDANOV, A.D., prof., red.; SERGEYEV, Yu.P., red.

[International anatomical nomenclature] Mezhdunarodnaia anatomicheskaia nomenklatura. Izd.2. Moskva, Meditsina, 1964. 77 p. (MIRA 17:5)

1. Chlen-korrespondent AMN SSSR (for Zhdanov).

#### PHASE I BOOK EXPLOITATION SOV/4402

Zhdanov, A. I., Ye. A. Levanova, N. S. Basina, G. N. Sergeyeva, and R. P. Khromova

Rukovodstvo po opredeleniyu stoimosti i ekonomicheskoy effektivnosti modernizatsii metallorezhushchikh stankov; rukovodyashchiye materialy (Manual on Determining Cost and Economic
Effectiveness of the Modernization of Metal-Cutting Machine
Tools; Guide Materials) Moscow, Mashgiz, 1958. 52 p. Errata
slip inserted. 3,000 copies printed.

Sponsoring Agency: Moscow. Eksperimental'nyy nauchnoissledovatel'skiy institut metallorezhushchikh stankov.

Ed.: A. Ye. Prokopovich; Tech. Ed.: A. F. Uvarova; Managing Ed. for Literature on Metalworking and Tool Making: R. D. Beyzel'man, Engineer.

PURPOSE: This handbook is intended for personnel of chiefmechanic sections and design sections of machine-tool plants.

Card 1/4

Manual on Determining Cost (Cont.) SOV/4402	
COVERAGE: The handbook contains information on costs and economic effectiveness of the modernization of metal-cutting machine tools. Tables of cutting standards for cutters, drills, milling cutters, gear cutters, and grinding wheels are presented. Several machine-tool plants are mentioned in the text. No personalities are mentioned. There are no references.	
TABLE OF CONTENTS: Introduction 3	
Ch. I. Methods of Determining the Economic Effectiveness of the Modernization of Metal-Cutting Machine Tools	
Ch. II. Methods of Determining the Cost of the Modernization of Metal-Cutting Machine Tools	ř
Ch. III. Methods of Determining the Relative Cost of Parts Manufacture (Performance of the Operation)	
Card 2/4	
	Serenders:

25(5)

PHASE I BOOK EXPLOITATION

607/2784

Zhdanov, Aleksandr Ivanovich, Candidate of Economical Sciences

Metodika opredeleniya ekonomicheskoy effektivnosti modernizatsii oborudovaniya (Methods of Determining Economic Efficiency in the Modernization of Equipment) Moscow, Gosplanizdat, 1959. 109 p. Errata slip inserted. 5,000 copies printed.

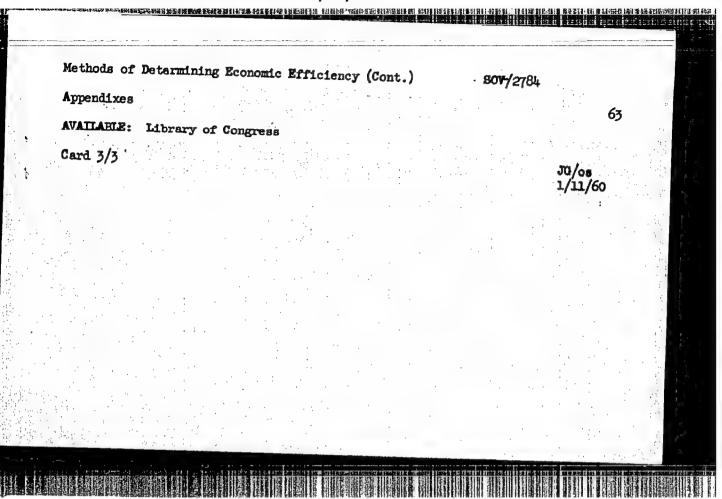
Ed.: P. A. Osada; Tech. Ed.: A. A. Ponomareva.

PURPOSE: This book is intended for industrial engineers.

COVERAGE: The book describes the significance of machine-tool modernization to overall industrial development of the Soviet Union during the 1959-65 period and presents methods for computing production costs based on both new and modernized units. The author emphasizes the fact that despite the great need for modernized equipment, only about 1.3 percent of all metal-cutting machine tools are modernized annually in the USSR. Appendix 9 and 10 bring together in table form data on the 1956 production of various machine tools. This table includes besides the designation and model number of each tool, the size of lots which range from 10 units for complex machine tools to more

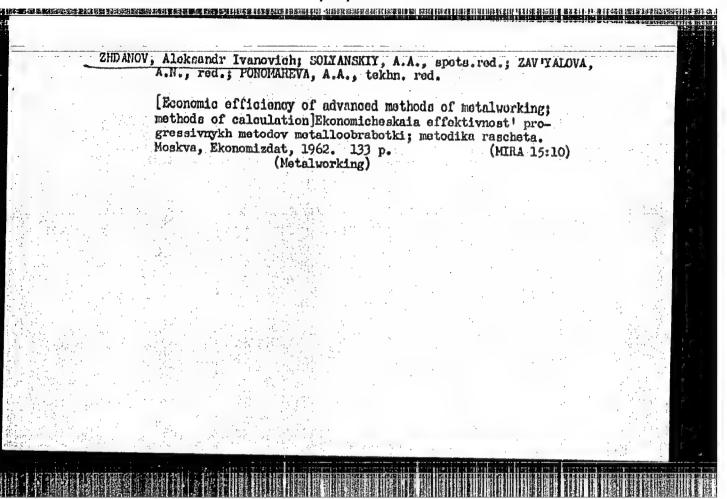
Card 1/3

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•			- 77
	Methods of Determining Economic Efficiency (Cont.) 80V/2784		
,	than 6,000 units for engine lathes, etc. No personalities are mention. There are no references.	ed.	
•	TABLE OF CONTENTS:		
1	Introduction	<b>3</b> :	
	National Economic Significance of Modernizing the Equipment of Machine- Manufacturing Establishments		
	Methodology Used in Determining the Economic Efficiency of Modernized Equipment	5	r
,	Methodology for Calculating the Comparative Cost of Piece Parts in De- termining the Economic Efficiency of Modernized Equipment	14	
	Standard Method of Determining the Comparative Cost of Production	31.	
	Methodology Used in Determining Outlays for Equipment Modermization	47	
	Card 2/3		
100			



ZHDAHOV, Aleksandr Ivanovich; MAKSIMOV, I.S., red.; PONOMAREVA, A.A., tekhn.red.

[Economic efficiency of the modernization of equipment] Ekonomicheskaia effektivnost modernizatsi oborudovaniia. Moskva, Gosplanizdet, 1960. 151 p. (MIRA 14:1) (Industrial equipment—Technological innovations)



ZHDANOV, Alaksandr. Ivanovich; ZAV'YAIOVA, A.N., red .; GERASIFOVA, Ye.S., tekhn. red.

[Economic efficiency of equipment modernization] Ekonomicheskaia effektivnest' modernizatsii oborudovaniia. Izd.2., dop. i perer. Moskva, Ekonomizdat, 1963. 199 p.

(NIRA 16:12)

(Machinery industry—Technological innovations)

SANKIN, D.I., kand. ekon. nauk; SEMINOY, S.I., kand. ekon. nauk;

BEREZNOY, N.I., kand. ekon. nauk; ZHDANOV, A.I., kand.

ekon. nauk; GORCHAKOV, A.A., inzh.; ZAKHAROV, V.V., inzh.;

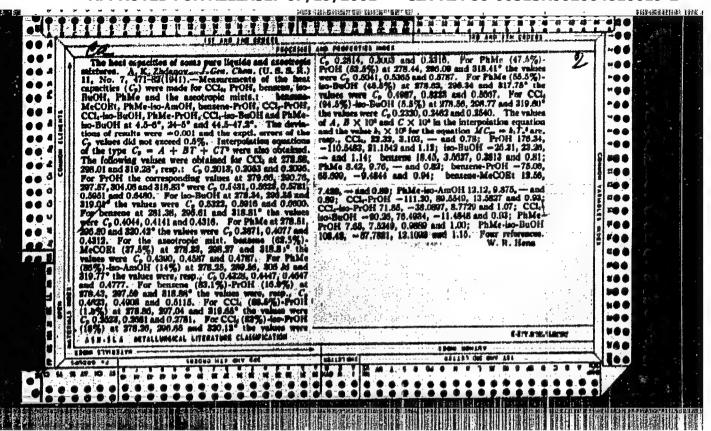
YUNOVICH, I.M., inzh.; RYVKIN, A.S., inzh.; KOVRIGIN, V.V.,

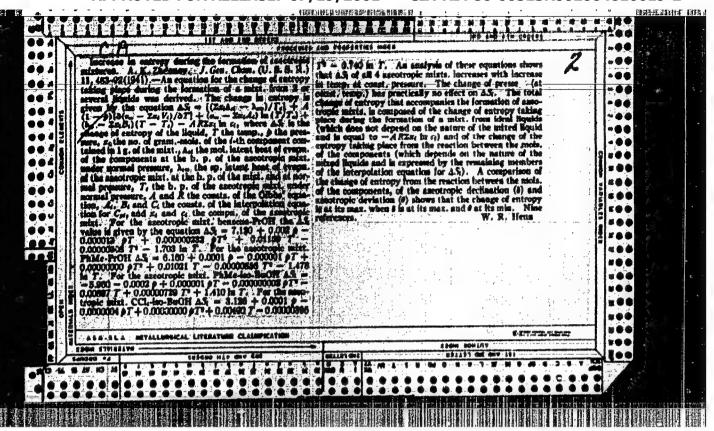
ekonomist; DIDENKO, S.I., kand. ekon. nauk; SANDOMIRSKIY,

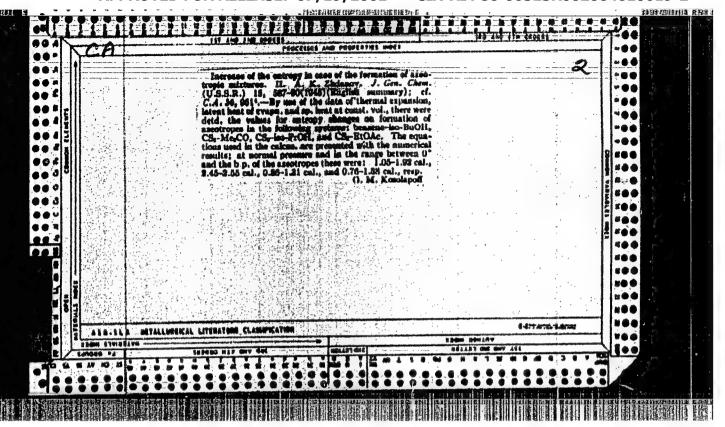
A.T., ekonomist; GONCHARENKO, B.L., kand. ekon. nauk; KOTOV,

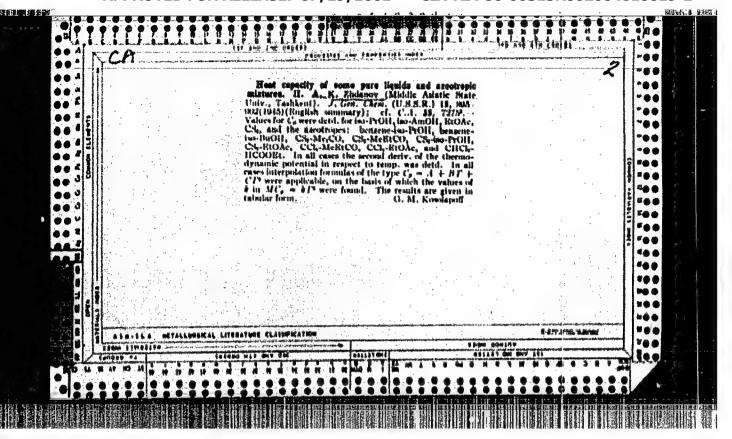
V.F., inzh.; EYDEL'MAN, B.I., red.

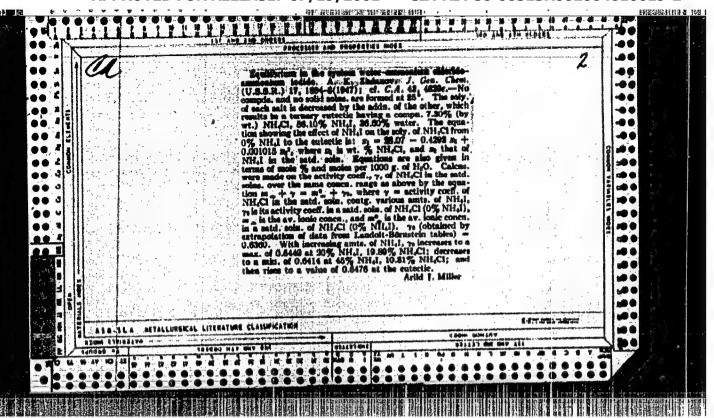
[Handbook for the economist and planner in an industrial enterprise] Spravochnik ekonomista i planovika promyshlennogo predpriiatiia. Moskva, Ekonomika, 1964. 698 p. (MIRA 17:6)

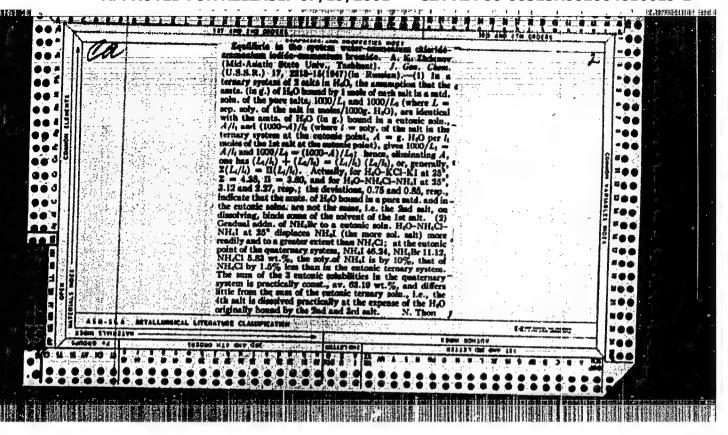






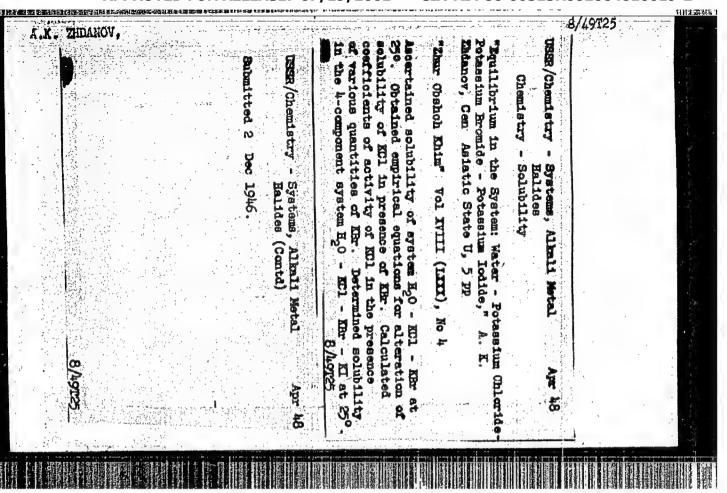


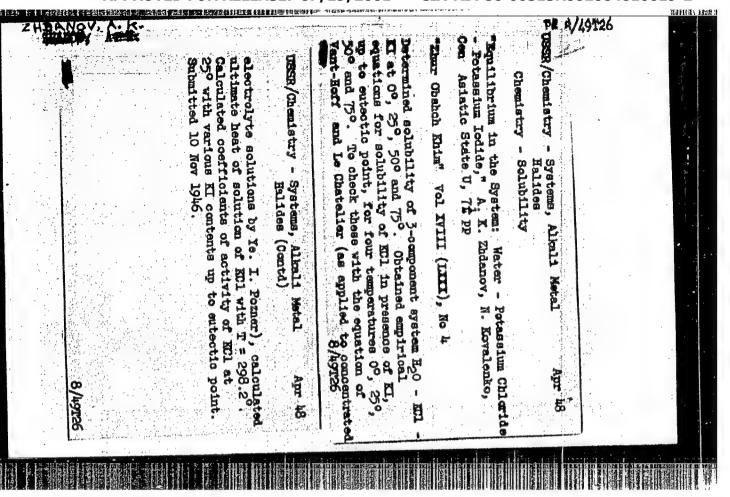


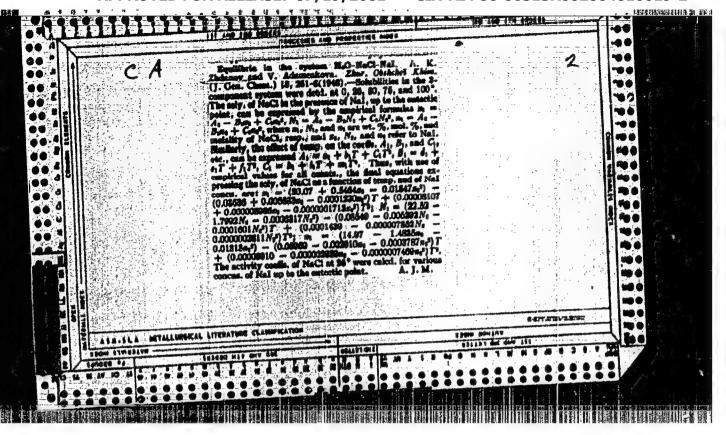


"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064610019-2







ZHOAKOV, A. R. USSR/Chemistry

Card 1/1

Authors

: Zhdanov, A. K.; and Sarkazov, M. A.

Title

Solubility in the water - ethyl alcohol - ammonia bifluoride

system at 250

Periodical : Zhur. Ob. Khim 24, Ed. 5, 759 - 762, May 1954

Abstract

: The solubility in the water - ethyl alcohol - ammonia bifluoride system at 25° was determined experimentally. The solubility of ammonia bifluoride in water was established at 0, 25, 40, and 500. Anhydrous ammonia bifluoride represents the solid phase in the ternary system water - ethyl alcohol - ammonia bifluoride at "0. The solubility of ammonia bifluoride in water-slookel mixtures decreases with the increase in the alcohol content of the mixture and reaches (at 250) a value of 1.75 weight \$ in the presence of 90% alcohol as compared with 45.73 weight \$ obtained in pure water.

Three USSR references. Tables, graph.

Institution : Central Asiatic State University

Submitted : September 26, 1953

ZHĎANOV, A. K. USSR/Chemiatry

Card 1/1

Author

2 Zhdanov, A. K.

Title

: Solubility in the water - ethyl alcohol - sodium fluoride system

at 0 and 250

Periodical

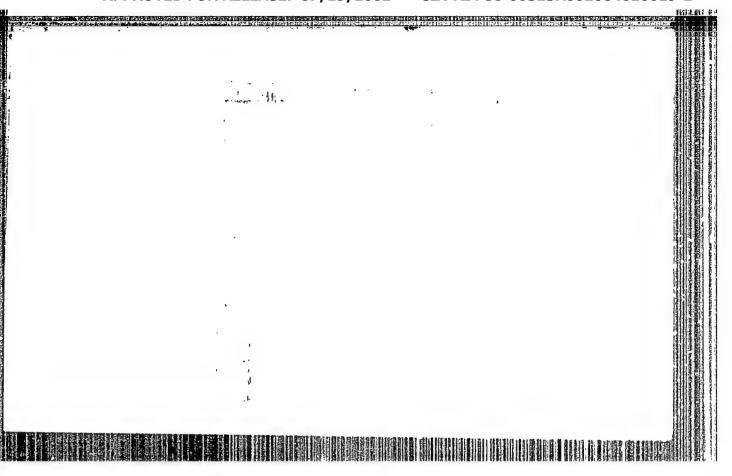
: Zhur. Ob. Khim. 24, Ed. 5, 762 - 766, May 1954

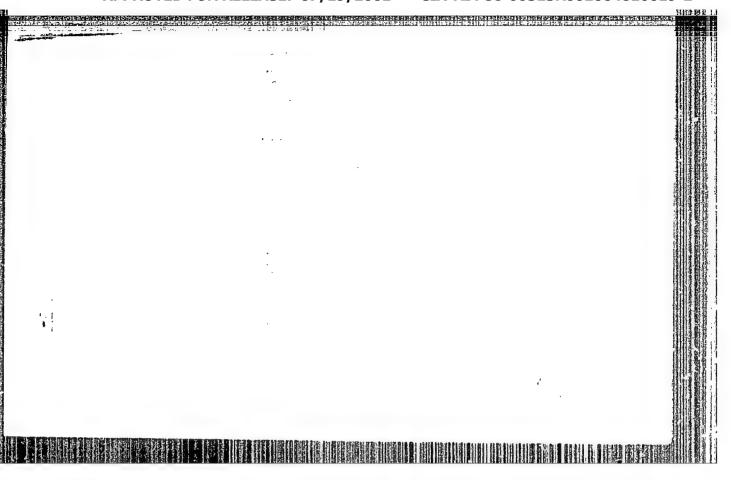
Abstract

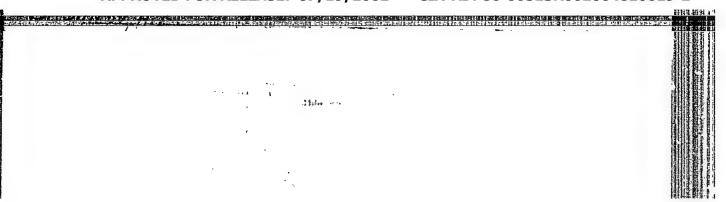
the solubilities in the water - ethyl alcohol - sodium fluoride system were determined at 0 and 25°. The anhydrous sodium fluoride represents the solid phase in the termary system water - ethyl alcohol - sodium fluoride at 0 and 25°. The solubility of sodium fluoride in water-alcohol mixtures decreases with the increase of the alcohol content in the mixtures. Since the solubility of sodium fluoride in water-alcohol mixtures containing more than 50% alcohol is very low and changes only very slightly during further increase in the alcohol concentration of the mixture, water-alcohol mixtures containing %C-60% alcohol should be used for washing the residues of binary and complex fluorides from the excess of acdium fluoride and other admixtures. Five references. Tables, graths.

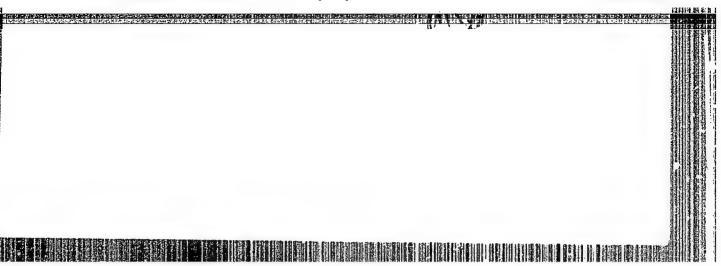
Institution: Central Asiatic State-University

Submitted : Soptembor 26, 1953

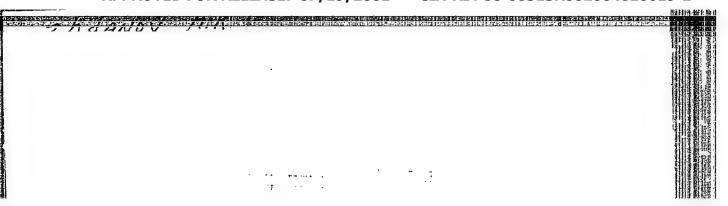


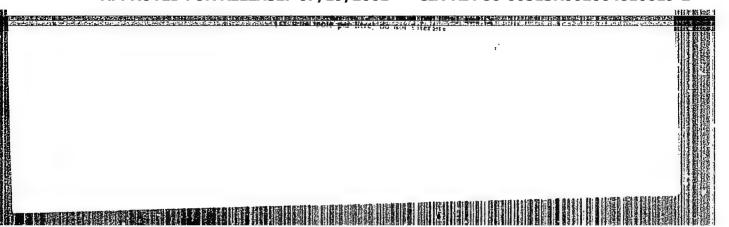


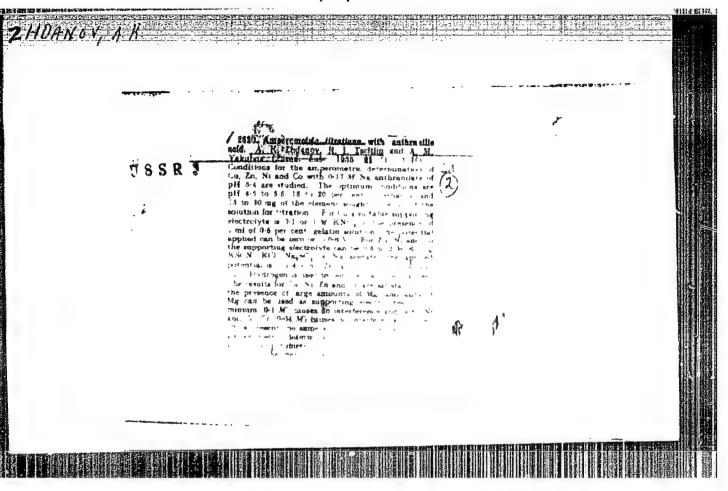


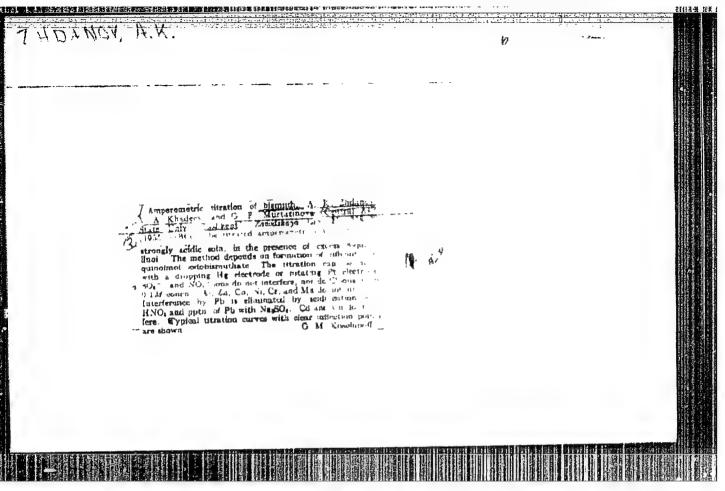


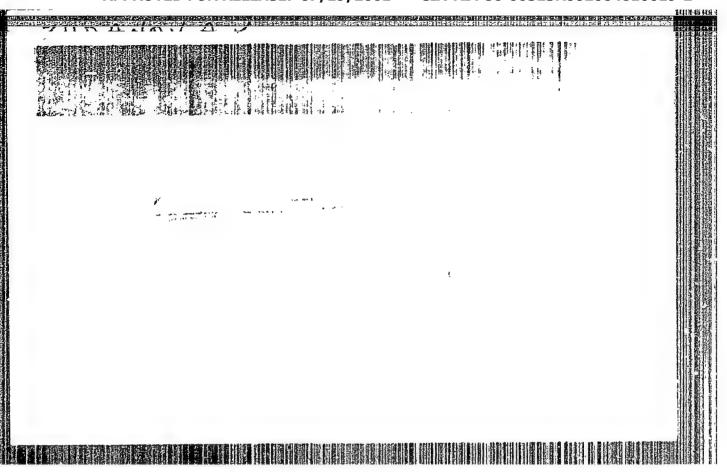


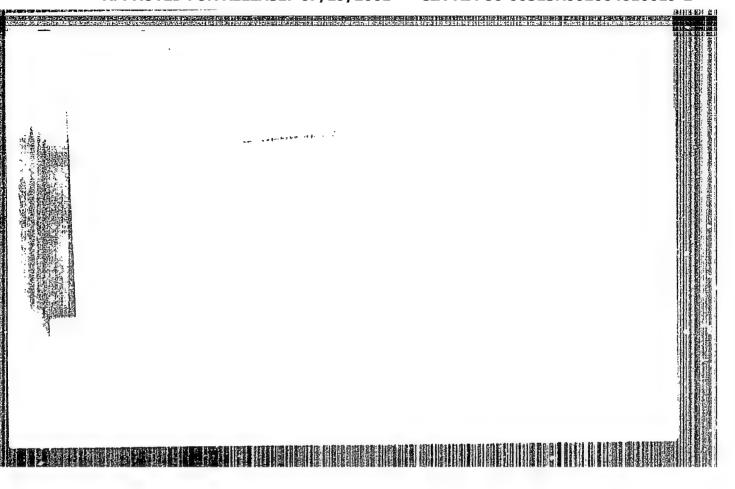




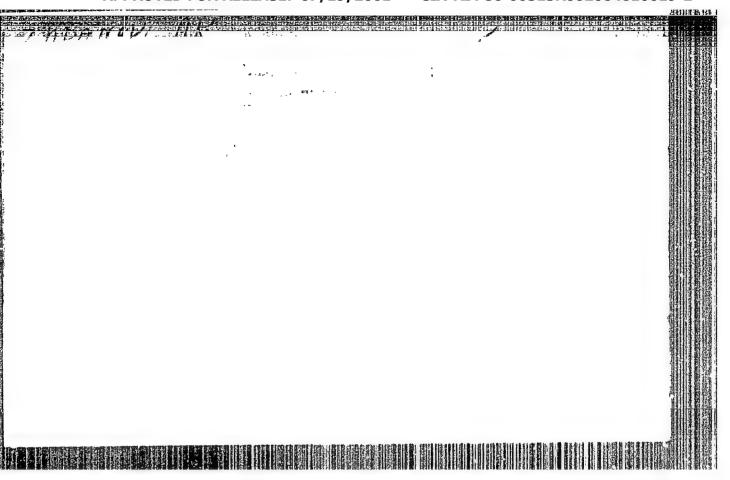


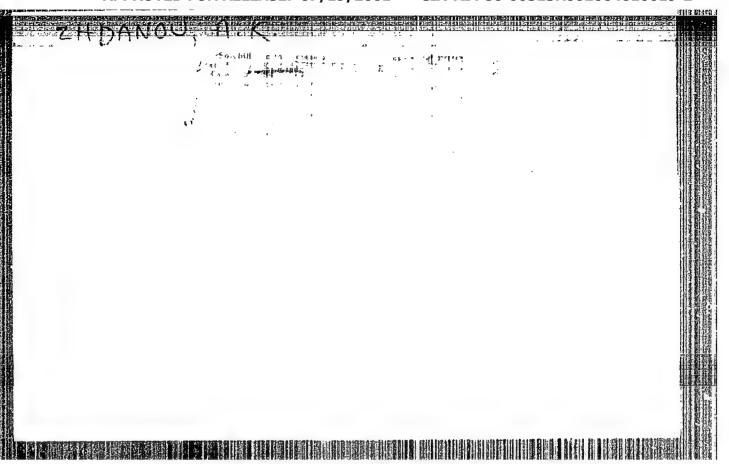


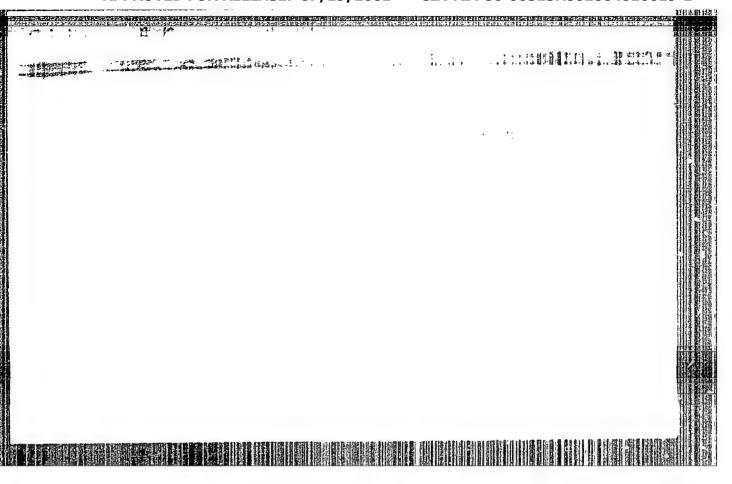












KHADEYEV, V.A.; EHDANOY, A.K., otvetstvennyy red.; ATRAPETYAN, A., red.
ind-vn; RADETAN, A., tekhn, red.

[Questions on the theory of ampercentia] Sekvotorys voprosy teorii experometricheskogo metoda titrovaniia. Brevan, Ind-vo Erevanskogo univ. 1957. 177 p. (Tamikont. Universitet. Trudy Srednesalatskogo gosudarstvennogo universiteta, no.92. Rhimicheskie nauki, no.11).

(Conductometric analysis) (MIRA 11:6)

经环境中华的人的变形状态的发现<mark>使这种对于美国企业,在</mark>发生的打扮主义的自行的自身的人,但是在这种的人,但是在这种的人,我们可以被对于一个人,我们可以不是一个人,他们可以不是一个人,这个人,他们可以不是一个人,我们可以不是一个人,他们可以不是一个人,我们可以不是一个人,我们可以不是一个人,我们可以不是一个人,我们可以不是一个人,我们可以不是一个人,我们可以不是一个人,

AUTHOR: Zhdanov, A. K. Khadeyev, V. A.

75-6-5/23

Khalilova, V. Kh.

TITLE:

The Ammetric Titration of Bismuth With Potassium Iodide in the Presence of Pyramidon(Amperometricheskoye titrovaniye vismuta yodidom kaliya v prisutstvii piramidona).

PERIODICAL:

Zhurnal Analiticheskoy Khimii, 1957, Vol. 12, Nr 6, pp. 695-698 (USSR)

ABSTRACT:

The possibility of an ammetric titration of bismuth in strong acid solutions in the presence of surplus pyramidon withpotassium iodide is shown. With this reaction a compound of bismuthibe tetraiodide is formed. The titration was carried out by means of an ordinary polarograph with a dropping mercury electrode. The presence of zinc-, manganese, nickol-, cobalt-, iron-, aluminum- and magnasium-ions in the bismuthsolution to be titrated does not disturb the determination of bismuth, even if their concentration exceeds 50 to 100 times the value of the bismuth concentration. Only lead-ions act disturbingly on the titration. Ecen 60 times higher concentrations of sulphates, nitrates, chlorides, phosphates and acetates have no disturbing effect on the titration.

Card 1/2

The Ammetric Titration of Bismuth With Potassium Iodide in the 76-6-5/23 Presence of Pyramidon

The method of titration of bismuth was also tried out with

synthetic mixtures of cadmium and bismuth.

There are 4 tables, and 3 references, 3 of which are Slavic.

ASSOCIATION: Central Asian University imeni V. I. Lenin, Tashkent

(Sredneaziatskiy universitet im. V. I. Lenina, Tashkent).

SUBMITTED: October 18, 1956

AVAILABLE: Library of Congress

1. Bismuth-Ammetric titration 2. Potassium iodide-Applications

3. Pyramidon-Applications

Card 2/2

"APPROVED FOR RELEASE: 07/19/2001

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种交叉 化异氯酚缩银石类组织过程 医动物分离 经组织企业 计连接通讯 经付付帐事件 网络拉拉斯 经有限 计电压电话 经自己的 电子工作 电子光谱 化苯基苯基苯基苯基苯甲基苯基苯

Zhdanovitt.K.

AUTHORS:

Khadeyev, V.A., Zhdanov, A.K.

32-11-5/60

TITLE

Determination of the Copper- and Zinc Content in Alloys by the Method of Amperometric Titration by Means of the Revolving Platinum Micro-electrode (Opredeleniye medi i tsinka v splayakh metodom amperometri-cheskogo titrovaniya s vrashchayushchimsya platinovym mikroelektrodom)

PERIODICAL:

Zavodskaya Laboratoriya, 1957, Vol. 23, Nr 11, pp. 1290-1291 (USSR)

ABSTRACT:

For the determination of the copper content the reaction in the forming of thicovanate on monovalent copper was used. For the titration of since the method based upon the reaction in the forming of zinc thicovanogen mercuriate is used, which, as is mentioned here, appears possible also in the presence of other ions. As regenerator of the bivalent copper ascorbic acid was used in this case. Amperometric titration was carried out by means of a device consisting of a calomel semielement with the revolving platinum electrode. This device was connected with the solution to be titrated by means of a glass siphon, to the two ends of which two porcus glass plates were fitted. The siphon was filled with saturated potassium nitrate. For the measuring of amperage a mirror galvanometer was used. The platinum electrode was driven by a motor up to 900 revolutions per minute. Before titration small doses of ascorbic acid and potassium nitrate were added, after which titration of the copper

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Determination of the Copper- and Zinc Content in Alloys by the Method of Amperometric Titration by Means of the Revolving Platinum Microelectrode

was carried out by a thiocyanate solution with an external voltage of 0.3 V. The reagent was then added in small doses until a constant voltage was attained. The point of equivalence was determined in the usual way. Zinc was titrated in the same manner with potassium tetrathicoyanate mercuriate, with the difference that the latter was first added in larger doses (0.3-0.5) and was added in drops as soon as the current set in. Experience has shown that titration of copper with potassium thiocyanate is impossible in the presence of bismuth. The titogether was tested by means of artificially prepared mixtures of different contents. It was found that in this case errors of up to 1% are possible. There are 2 tables.

ASSOCIATION:

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SOV/137-58-11-23808

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 276 (USSR)

Zhdanov, A. K., Khadeyev, V. A., Kats, A. L. AUTHORS:

Amperometric Titration of Trivalent Iron With Ascorbic Acid and TITLE:

Sodium Versenate B (Amperometricheskoye titrovaniye trekhvalent

nogo zheleza askorbinovov kislotov i trilonom B)

PERIODICAL: Uzb, khim. zh., 1958, Nr 1, pp 27-34

More precise procedures are given for titrating Fe3+ with ascorbic ABSTRACT: acid (I) and sodium versenate B (II). The experiments were carried out on an ordinary visual polarographic apparatus with a revolving Pt microelectrode. It is shown that the titration of Fe3+ with I can be carried out within a broad range of acidity up to pH + 0. The optimum concentration of acid is 0.28 - 1 mole/liter. The lowest rate at which equilibrium is attained was observed close to the point of equivalence. The presence of air Oz has no effect on the results of titration of Fe3+ with I. Small amounts of Fe titrate better than large amounts. The optimum condition leading to the titration of Fe3+ with II is an acidity of 0.1 mole/liter HCl, overrated results are produced at a higher than acidity. Titration of small amounts of Fe is best done in the presence

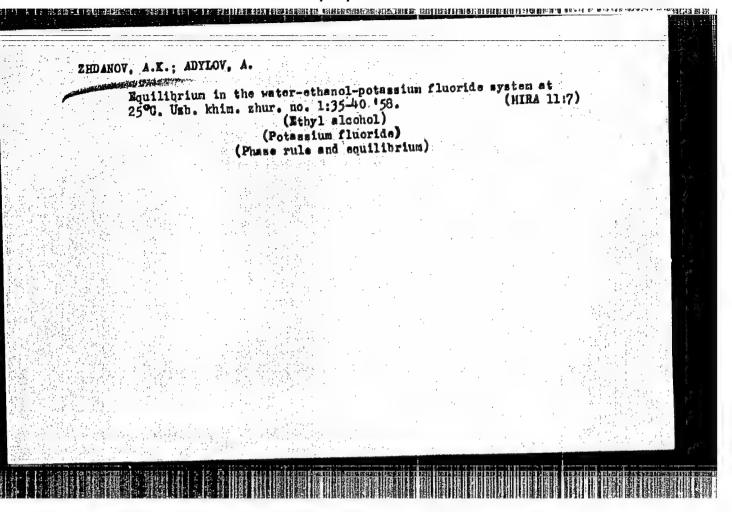
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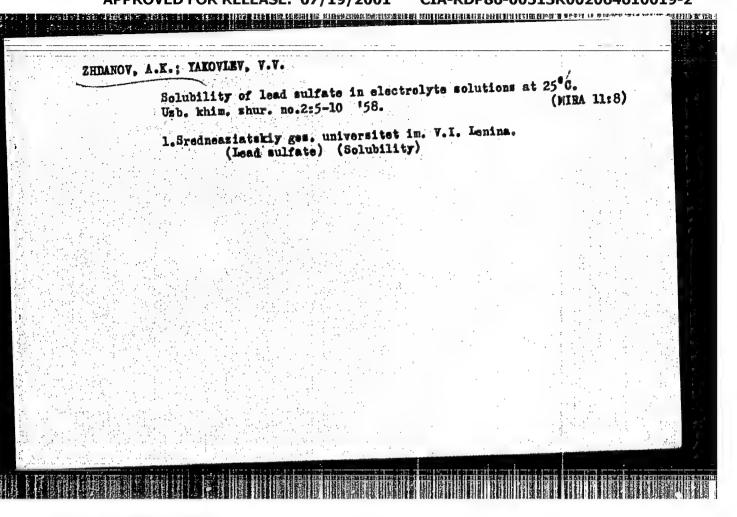
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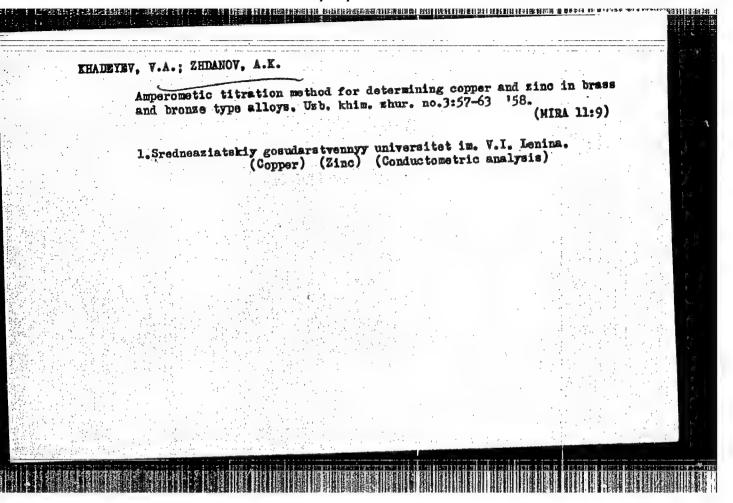
Amperometric Titration of Trivalent Iron With Ascorbic Acid and (cont.)

of an acetate buffer. A study of the effect of foreign ions showed that the results of the titration of Fe are affected by Ni and Cu and impeded by Zn and Cd only when their amount is 10-20 times higher than the Fe contents. A comparison is made between the ascorbic acid and the chelatometric methods of the titration of Fe as to their precision, reproducibility, and selectivity, as well as speed and convenience.

Yu. B.







SOV/75-13-6-7/21 Zhdanov, A. K., Khadeyev, V. A., 5(4) AUTHORS: Mirzabekov, F. M. A Simplified Diaphragm Method of Internal Electrolysis (Uproshohennyy diafragmennyy metod vnutrennego elektroliza) TITLE: Zhurnal analiticheskoy khimii, 1958, Vol 13, Nr 6, pp 661-663 PERIODICAL: (USSR) In the internal electrolysis methods with diaphragm are used very rarely since there are many apparatus necessary and the ABSTRACT: process of electrolysis requires a long time because of the high electric resistance of the electrolyzer. The authors of the present paper have devised a method with diaphragm that permits a sufficiently quick separation of medium and large quantities of metals, and thus eliminates the most considerable disadvantage of this method. In order to accelerate the separation of the metal a coarsely porous glass diaphragm Nr 1 was used, the introduction of which into the electrolyzer does not cause any considerable increase in the electric resistance. The penetration of the catholyte into the anode space is avoided by producing a slight flow of the analyte against the catholyte. This measure is only necessary during Card 1/3

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A Simplified Diaphragm Method of Internal Electrolysis SOV/75-13-6-7/21

the first 10 - 15 minutes of the electrolysis, as long as the main quantity of the metal to be determined separates from the solution. After this period a possible mixing of the solutions is no more dangerous because in view of the low concentration of the metal to be determined no cementation takes place any longer. The apparatus used are illustrated in the paper and described in detail. The operational method of this apparatus is also described in detail. As an example, copper was separated at a platinum wire-gauze cathode. Solutions of KCl and KNO 3 were used as anolytes.

It was found that the method described permits the separation of medium and even large amounts of copper. In the use of zinc or an iron anode, which is immersing into a saturated KCl solution the dissolution of the anode took place slowly and without noticeable gas formation. When using an aluminum anode, intense dissolution of the anode occurred under separation of considerable hydrogen quantities. In order to prevent the anolyte from being expelled from the anode space by the escaping gas, which would cause an interruption of the current, a spherical enlargement is provided for the reception of the

Card 2/3

A Simplified Diaphragm Method of Internal Electrolysis SOV/75-13-6-7/21

developed gas. In further experiments it was proved that the presence of iron in the form of ferrous sulfate even in double quantity does not affect the results of copper determination. Instead of potassium chloride also other alkali metal salts can be used as anolyte. The applicability of this method was tested by analyses of copper alloys which yielded very satisfactory results. There are 1 figure, 2 tables, and 3 Soviet references.

ASSOCIATION:

Sredneaziatskiy gosudarstvennyy universitet im. V. I. Lenina, Tashkent (Tashkent Central Asian State University imeni V. I. Lenin)

SUBMITTED:

May 29, 1957

Card 3/3

NEW RESERVOIS TO A FILL OF STATES AND STRUCTURE OF THE STATES OF S HNON AUTHORS: Zhdanov, A. K., Khadeyev, V. A., 32-2-4/60 Moiseyeva, G. P. TITLE: The Amperometric Titration of Cobalt With Potassium Ferric Cyanide with Rotating Micro-Platinum Electrode (Amperometricheskoye titrovaniye kobal'ta ferritsianidom kaliya na ustanovke s vrashchayushchimaya platinovym mikroelektrodom) PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 2, pp. 137-140 (USSR) ABSTRACT: The experimental conditions of the method mentioned in the title were investigated and the authors found that up to

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0,1-0,065 mg of cobalt can be titrated with sufficient exactness. The presence of other anions does not disturb titration, as can be seen from a table, even when it is present to the 50-100 fold concentration of cobalt. Also the action of other metal ions was studied and it was found that by means of the addition of tartaric acid as complex former the partial precipitation of nickel with ferric cyanide (at nickel concentrations amounting to more than the

The Amperometric Titration of Cobalt with Potassium Ferric Cyanide with Rotating Micro-Platinum Electrode

50-fold of that of cobalt) is made impossible and that it permits the presence of an amount of copper up to lo-times as great, as well as of an amount of iron and chromium of up to 20 times as much. The addition of citric acid makes possible a titration in the presence of greater amounts of lead (159-fold) and bismuth (80-fold). Sodiumsulfosalicylate proved to be a good complex former for iron and other metals, while chromium with ammoniumpersulfate can be exidized to dichromate, on which occasion cobalt can not be oxidized. Chromate-, as well as zinc- and cadmium ions do not disturb the cobalt titration. There are 1 figure, 3 tables, and 6 references, 3 of which are Slavic.

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Lenina)

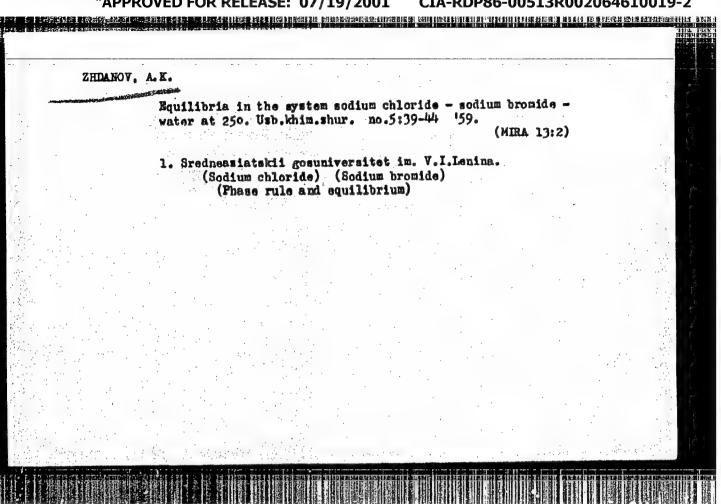
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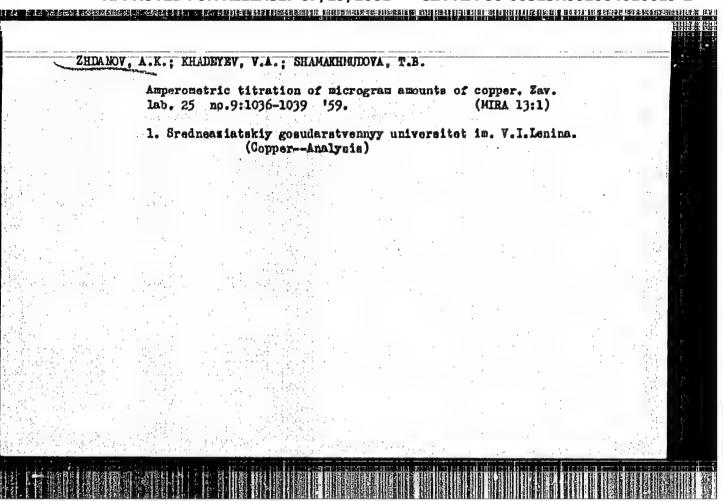
Cobalt-Determination Potassium ferric cyanide-Applications

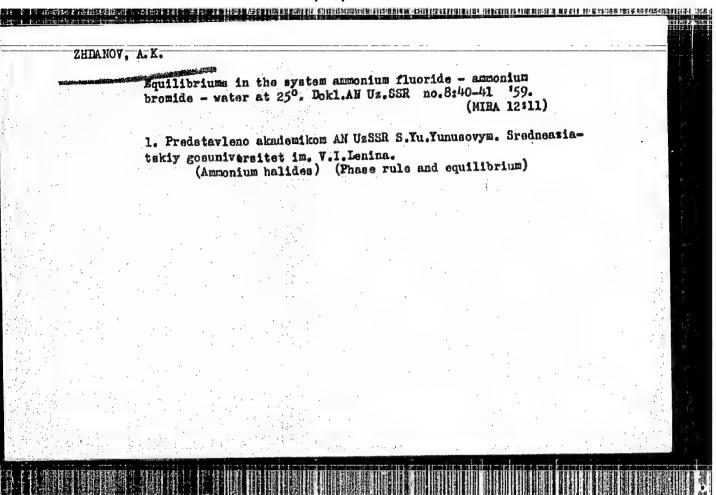
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Titration



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5 (2) AUTHORS: 807/75-14-3-23/29 Zhdanov, A. K., Khadeyev, Yakovenko, G. D. TITLE: Ammetric Determination of Cobalt by Means of an Iodometric Method on a Rotating Platinum Micro Electrode (Amperometricheskoye opredeleniye kobal'ta yodometricheskim metodom s vrashchayushchimsya platinovym mikroelektrodom) PERIODICAL: Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 3, pp 367-369 (USSR) ABSTRACT: Recently (Ref 1) an iodometric method for the determination of cobalt in ammoniacal medium was suggested where no partial oxidation of cobalt by atmospheric oxygen takes place. This suggestion was further developed by the authors on the basis of a device previously described with rotating micro electrode (Ref 2) in which connection the endpoint of the titration is determined ammetrically. Since the reaction proceeds too slowly when the excess iodine is missing, iodine is added in excess and titrated back with sodium arsenite. Table 1 shows the average values of an analysis series, table 2 the small influence exercised by foreign anions and cations. There are Card 1/2 2 tables and 2 references, 1 of which is Soviet.

Ammetric Determination of Cobalt by Means of an Iodometric Method on a Rotating Platinum Micro Electrode

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March 18, 1958

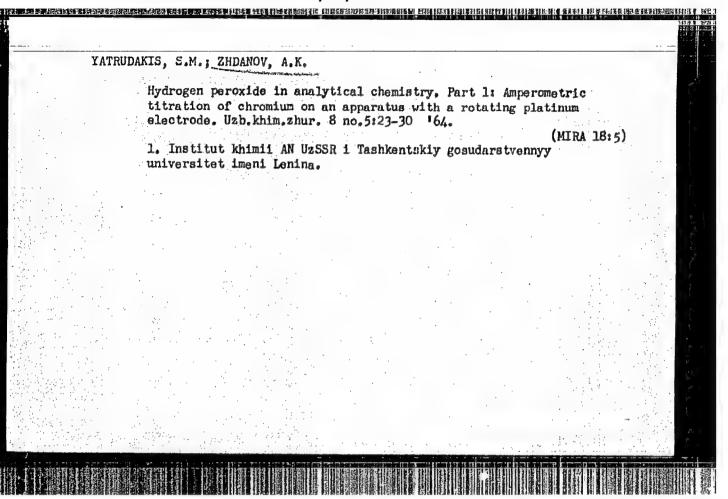
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ZHDANOV, A.K.; YATRUDAKIS, S.M.

Use of hydrogen perceite in analytical chemistry. Part 2: Amperometric titration of manganese with hydrogen perceide. Uzb. khim. zhur. 9 no.5:18-24 165. (MIRA 18:12)

1. Institut khimii AN UZSSR i Tashkentakiy gcaudaratvennyy universitet imeni Lenina. Submitted Sept. 29, 1964.



ZHDANOV, A.K.; KHADEYEV, V.A.; ISHANKHODZHAYEV, S.D.

Amperometric titration of bismith by means of a complexonometric ande method employing a tantalum microelectrode. Usb. khim. shur. no. 3:29-35 \*60. (MERA 13:10)

1. Sredneasiatskiy gosudarstvennyy universitet imeni V.I. Lenina. (Bismith—Analysis) (Tantalum)

# ZHDANOV, A.K.; KUROCHKINA, N.A.

Quantitative determination of cerium by cathodic and anodic methods of amperometric titration by means of an apparatus having a rotating platinum microelectrode. Uzb.khim.zhur no.3:15-24 '61. MIRA 14:11)

1. Tashkentskiy gosudarstvennyy universitet imeni V.I.Lenina.
(Cerium—Analysis)
(Conductometric analysis)

ZHDANOV, A.K.; KHADEYEV, V.A.; KUBRAKOVA, A.I.; BONDARENKO, N.V.

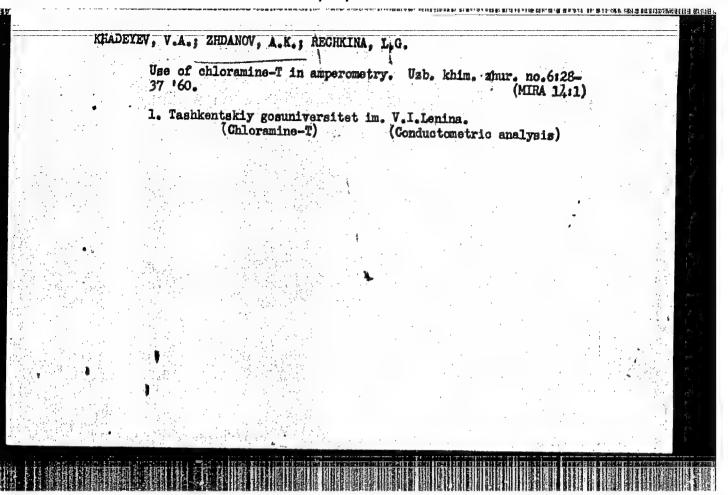
Amperometric titration of some reducing agents by means of iodine chloride in an apperatus with a rotating platimum microelectrode. Uzb.khim.zhur. no.2:44-50 '61. (MIRA 14:10)

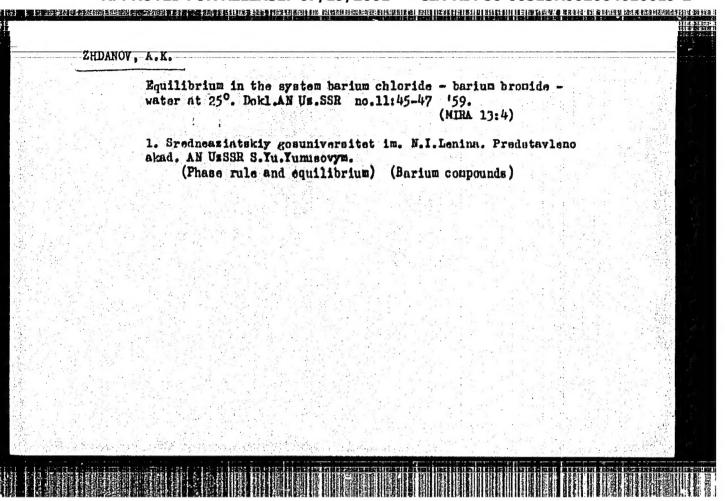
1. Tashkentskiy gosuniversitet imeni Lenina. (Conductometric analysis) (Iodine chloride)

2HDANOV, A.K.; DESYATOVA, T.A.

Amperometric titration of bismuth based on the formation of iodobismuthites in relation to the anodic current. Zhur. anal. khim. 16 no. 4:438-441 Jl-Ag '61. (MIRA 14:7)

1. V.I. Lenin Tashkent State University. (Bismuth—Analysis) (Potassium iodide)





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AES. JOUR.	Cultivated Plants. Commercial Oleiferous. Sugar-Bearing. RZhBiol., No. 1, 1959, Ko. 1738
AUTHCR	' Indanov I a
ORTO, JUB.	** All-Union Bei Rem Inst. of Oleiferous and **  Selection and Seed Growing of Sunilower.  Veb.: Kratkiy otehet o nauchno-jealed, rabbte  Vees. hi. in-te masliche. i edironasliche.  kul'tur za 1956 g. Krasnodar, "Dev. Kuban",
A BSTRACT	1957, 21-30  At the Don zonal experimental calcution station, ion sunflower varieties 695 and All) in competitive variety experiments yielded by 125-13; ks/don take more cil than the variety 82st and by co-62 kg/bestare nore than variety 650 of the All-daion Research Insultable of cil and factual differentians. The fon variety cost according to data during the years 1952-1956 expresses, under local conditions, in yield of cil the better sinflower varieties bad characteristics for seeds of fon variety 109 and a
CARD:	1/2 *Essential Cil-Besting Crops.

ZHDANOV, A.L.; EMOROZ, V.I., kandidat tekhnicheukikh nauk; SHIEBOV, A.V., kandidat tekhnicheukikh nauk.

Instrument for measuring the deformation of automobile tire tread, avt. (MIRA 6:6)

1. Automobil'naya laboratoriya. Institut mashinovedeniya, Akademiya nauk SSSR. (Tires, Rubber)

